

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: February 16, 2005, 16:27:09 ; Search time 11.0505 Seconds  
 (without alignments)  
 1479.409 Million cell updates/sec

Title: US-10-003-356-2  
 Perfect score: 1138

Sequence: 1 MFERRKEQDEGPGIHEFLAF.....RVIASDRKIQSKAVVKKRIQHP 219

Scoring table: BLOSUM62  
 Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0  
 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0\*  
 Maximum Match 100\*  
 Listing First 45 summaries

Database : Issued\_Patents\_AA;\*  
 1: /cgn2\_6/ptodata/1/iaa/5A\_COMB.pep:/\*  
 2: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep:/\*  
 3: /cgn2\_6/ptodata/1/iaa/6A\_COMB.pep:/\*  
 4: /cgn2\_6/ptodata/1/iaa/6B\_COMB.pep:/\*  
 5: /cgn2\_6/ptodata/1/iaa/PCTUS\_COMB.pep:/\*  
 6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep:/\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	357	31.4	1059	3 US-09-134-513-2	Sequence 2, Appli
2	353	31.0	975	4 US-09-695-481-4	Sequence 4, Appli
3	353	31.0	1027	3 US-09-162-021B-2	Sequence 2, Appli
4	353	31.0	1027	4 US-10-268-051-8	Sequence 8, Appli
5	353	31.0	1078	1 US-08-485-588-7	Sequence 7, Appli
6	353	31.0	1078	1 US-08-484-565-7	Sequence 7, Appli
7	353	31.0	1078	2 US-08-480-751-7	Sequence 7, Appli
8	353	31.0	1078	2 US-08-943-986-7	Sequence 7, Appli
9	353	31.0	1078	3 US-08-353-784-7	Sequence 7, Appli
10	353	31.0	1078	3 US-08-484-719B-7	Sequence 7, Appli
11	353	31.0	1078	3 US-08-484-159-7	Sequence 7, Appli
12	353	31.0	1088	1 US-08-485-588-6	Sequence 6, Appli
13	353	31.0	1088	1 US-08-484-565-6	Sequence 6, Appli
14	353	31.0	1088	2 US-08-480-751-6	Sequence 6, Appli
15	353	31.0	1088	2 US-08-943-986-6	Sequence 6, Appli
16	353	31.0	1088	3 US-08-353-784-6	Sequence 6, Appli
17	353	31.0	1088	3 US-08-484-719B-6	Sequence 6, Appli
18	353	31.0	1088	3 US-08-484-159-6	Sequence 6, Appli
19	353	31.0	1219	2 US-08-687-289A-6	Sequence 6, Appli
20	353	31.0	1219	4 US-09-435-897-6	Sequence 6, Appli
21	351	30.8	1079	1 US-08-485-588-8	Sequence 8, Appli
22	351	30.8	1079	1 US-08-484-565-8	Sequence 8, Appli
23	351	30.8	1079	2 US-08-480-751-8	Sequence 8, Appli
24	351	30.8	1079	2 US-08-943-986-8	Sequence 8, Appli
25	351	30.8	1079	3 US-08-353-784-8	Sequence 8, Appli
26	351	30.8	1079	3 US-08-484-719B-8	Sequence 8, Appli
27	351	30.8	1079	3 US-08-484-159-8	Sequence 8, Appli

#### ALIGNMENTS

RESULT 1	
US-09-134-513-2	; Sequence 2, Application US/09134513
;	; Patent No. 6210964
;	; GENERAL INFORMATION:
;	; APPLICANT: Brown, Edward M.
;	; APPLICANT: Diaz, Ruben
;	; APPLICANT: Bai, Mei
;	; APPLICANT: Quinn, Stephen J.
;	; TITLE OF INVENTION: The Avian Extracellular Calcium-Sensing Receptor
;	; NUMBER OF SEQUENCES: 2
;	; CORRESPONDENCE ADDRESS:
;	; ADDRESSEE: Vinson & Elkins L.L.P.
;	; STREET: 1455 Pennsylvania Avenue, N.W.
;	; CITY: Washington
;	; STATE: D.C.
;	; COUNTRY: U.S.
;	; ZIP: 20004-1008
;	; COMPUTER READABLE FORM:
;	; MEDIUM TYPE: Floppy disk
;	; COMPUTER: IBM PC compatible
;	; OPERATING SYSTEM: PC-DOS/MS-DOS
;	; CURRENT APPLICATION DATA:
;	; APPLICATION NUMBER: US/09/134,513
;	; FILING DATE:
;	; CLASSIFICATION:
;	; ATTORNEY/AGENT INFORMATION:
;	; NAME: Sanzo, Michael A.
;	; REGISTRATION NUMBER: 36,912
;	; REREFERENCE/DOCKET NUMBER: BR1331/13003
;	; TELECOMMUNICATION INFORMATION:
;	; TELEPHONE: (202) 639-6585
;	; TELEFAX: (202) 639-6604
;	; INFORMATION FOR SEQ ID NO: 2:
;	; SEQUENCE CHARACTERISTICS:
;	; LENGTH: 1059 amino acids
;	; TYPE: amino acid
;	; STRANDEDNESS: not relevant
;	; TOPOLOGY: not relevant
;	; MOLECULE TYPE: protein
;	; HYPOTHETICAL: NO
;	; US-09-134-513-2

Query Match Score 357; DB 3; Length 1059;  
 Best Local Similarity 37.6%; Pred. No. 4.8e-35;  
 Matches 79; Conservative 43; Mismatches 64; Indels 24; Gaps 5;  
 QY 18 LAFLW--AGLSEAKEEKEERTCRLLGKCVDAENHSLVIGGLEPIDSRTIPANESI-L 74

Db 11 LLFTWNNTAAYGPNQRAQKGGD-----IIIIGGLFPIHFGVAAKQDLKSR 54  
 QY 75 PASAKCEGFNFQRFRWMKAMIMIKEINKRKDILPNTLGYQIFDTCTISKSVEAVLVF 134  
 Db 55 PESVECIRYNERGFRWLQAMIFAAEEINNSPNLLPNTMTCRFLCNTVSKALEATLSF 114  
 QY 135 LTGQE---ENRPNFRNSTGAFPA--GIVGAGGSFLSVPASRILGLYYLPQVGYTSTCVIL 189  
 Db 115 VAQNKKIDSNLDEFNCSEHIPSITIAWGATGSGVSTAVANLLGLFYIPQVSYASSSRLL 174  
 QY 190 SDKYQFPSPSYLRLVIASDKIOSKAVVKRIQHF 219  
 Db 175 SNKNQFKSFLRTIPNDDEHQATAMADIEYF 204

RESULT 2  
 US-09-695-481-4  
 ; Sequence 4, Application US/09695481  
 ; Patent No. 6534287  
 ; GENERAL INFORMATION:  
 ; APPLICANT: STORMANN, THOMAS M.  
 ; APPLICANT: LEVINTHAL, CYNTHIA  
 ; APPLICANT: STORJOHANN, LAURA  
 ; APPLICANT: HAMMERLAND, LANCE G.  
 ; APPLICANT: KRAPCHO, KAREN J.  
 ; APPLICANT: NPS PHARMACEUTICALS, INC.  
 ; TITLE OF INVENTION: A NOVEL HUMAN METABOTROPIC GLUTAMATE RECEPTOR  
 ; FILE REFERENCE: 1094-2-6  
 ; CURRENT APPLICATION NUMBER: US/09/695,481  
 ; PRIOR FILING DATE: 2000-10-24  
 ; CURRENT APPLICATION NUMBER: 60/161,481  
 ; NUMBER OF SEQ ID NOS: 7  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO: 4  
 ; LENGTH: 975  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:Chimeric  
 ; US-09-695-481-4

Query Match 31.0%; Score 353; DB 4; Length 975;

Best Local Similarity 37.1%; Pred. No. 1.3e-34;  
 Matches 78; Conservative 44; Mismatches 64; Indels 24; Gaps 5;

Qy 18 LAFLW--AELGSEAKEKEERTCRLLGKCVDAENHSLVIGGLFPIDSRTIPANESI-LE 74  
 Db 11 LALTWHTSAYPDQRAQRKGD-----IIIIGGLFPIHFGVAAKQDLKSR 54

Qy 75 PASAKCEGFNFQRFRWMKAMIMIKEINKRKDILPNTLGYQIFDTCTISKSVEAVLVF 134  
 Db 55 PESVECIRYNERGFRWLQAMIFAAEEINNSPNLLPNTMTCRFLCNTVSKALEATLSF 114

Qy 135 LTGQE---ENRPNFRNSTGAFPA--GIVGAGGSFLSVPASRILGLYYLPQVGYTSTCVIL 189  
 Db 115 VAQNKKIDSNLDEFNCSEHIPSITIAWGATGSGVSTAVANLLGLFYIPQVSYASSSRLL 174

Qy 190 SDKYQFPSPSYLRLVIASDKIOSKAVVKRIQHF 219  
 Db 175 SNKNQFKSFLRTIPNDDEHQATAMADIEYF 204

; TITLE OF INVENTION: Species and Methods of Use Thereof  
 ; FILE REFERENCE: 2856-1001-007  
 ; CURRENT APPLICATION NUMBER: US/09/162,021B  
 ; CURRENT FILING DATE: 1998-09-28  
 ; PRIOR APPLICATION NUMBER: PCT/US97/05031  
 ; PRIOR FILING DATE: 1997-03-27  
 ; PRIOR APPLICATION NUMBER: 08/622,738  
 ; NUMBER OF SEQ ID NOS: 19  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 2  
 ; LENGTH: 1027  
 ; TYPE: PRT  
 ; ORGANISM: squalus acanthias  
 ; US-09-162-021B-2

Query Match 31.0%; Score 353; DB 3; Length 1027;  
 Best Local Similarity 41.6%; Pred. No. 1.4e-34;  
 Matches 39; Mismatches 56; Indels 6; Gaps 3;

Qy 53 LVIGGLFPIDSRTIPANESI-LEPASAKCEGFNFQRFRWMKAMIMIKEINKRKDILPNI 111  
 Db 36 IIIIGGLFPINHFGVAAKQDLKSRPEATKCIRYNFRGFRWLQAMIFAAEEINNSMTFLPNI 95  
 Qy 112 TLGYQIFDTCTISKSVEAVLVFLTGQE---ENRPNFRNSTGAFPA--GIVGAGGSFLSV 166  
 Db 96 TLGYRIFDTCTNTVSKALEATLSFVAQNKKIDSNLDEFNCSDHIPSTIAVVGATGSGIST 155  
 Qy 167 PASRILGLLYLPQVGYTSTCVILSDKYQFPSPSYLRLVIASDKIOSKAVVKRIQHF 219  
 Db 156 AVANLLGLFYIPQVSYASSSRLLSKNEYKAFLRTIPNDDEQATAMAEIIEHF 208

RESULT 4  
 US-10-268-051-8  
 ; Sequence 8, Application US/10268051  
 ; Patent No. 6748900  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Harris, H. William  
 ; APPLICANT: Jury, Steven  
 ; APPLICANT: Russell, David R.  
 ; APPLICANT: Nearing, Jacqueline A  
 ; APPLICANT: Brown, Edward M  
 ; APPLICANT: Betka, Marlies  
 ; APPLICANT: Linley, Timothy  
 ; APPLICANT: Appelt, Jacqueline A  
 ; APPLICANT: Current Application Number: US/10/268,051  
 ; CURRENT FILING DATE: 2003-01-24  
 ; PRIOR APPLICATION NUMBER: 60/328,464  
 ; PRIOR FILING DATE: 2001-10-11  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO: 8  
 ; LENGTH: 1027  
 ; TYPE: PRT  
 ; ORGANISM: Squalus acanthias  
 ; US-10-268-051-8

Query Match 31.0%; Score 353; DB 4; Length 1027;  
 Best Local Similarity 41.6%; Pred. No. 1.4e-34;  
 Matches 39; Mismatches 56; Indels 6; Gaps 3;

Qy 53 LVIGGLFPIDSRTIPANESI-LEPASAKCEGFNFQRFRWMKAMIMIKEINKRKDILPNI 111  
 Db 36 IIIIGGLFPINHFGVAAKQDLKSRPEATKCIRYNFRGFRWLQAMIFAAEEINNSMTFLPNI 95  
 Qy 112 TLGYQIFDTCTISKSVEAVLVFLTGQE---ENRPNFRNSTGAFPA--GIVGAGGSFLSV 166  
 Db 96 TLGYRIFDTCTNTVSKALEATLSFVAQNKKIDSNLDEFNCSDHIPSTIAVVGATGSGIST 155  
 Qy 167 PASRILGLLYLPQVGYTSTCVILSDKYQFPSPSYLRLVIASDKIOSKAVVKRIQHF 219

RESULT 3  
 US-09-162-021B-2  
 ; Sequence 2, Application US/09162021B  
 ; GENERAL INFORMATION:  
 ; APPLICANT: H. William Harris  
 ; APPLICANT: Edward M. Brown  
 ; APPLICANT: Steven C. Hebert  
 ; TITLE OF INVENTION: Polycation-Sensing Receptor in Aquatic

Db 156 AVANLIGLFYIPQVSYASSSPRLSNKNEYKAFLRTIPNDEQQATAMAEIIEHF 208

RESULT 5  
US-08-485-588-7  
; Sequence 7, Application US/08485588  
; Patent No. 5688938  
; GENERAL INFORMATION:  
; APPLICANT: Edward M. Brown  
; APPLICANT: Steven C. Hebert  
; APPLICANT: Forrest H. Fuller  
; APPLICANT: James E. Garrett, Jr.  
; TITLE OF INVENTION: CALCIUM RECEPTOR-ACTIVE  
; NUMBER OF SEQUENCES: 20  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: First Interstate World Center  
; STREET: Suite 4700  
; STREET: 633 West Fifth Street  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: USA  
; ZIP: 90071

COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: FASTSEQ

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/485,588  
FILING DATE: 7 June, 1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
PRIOR APPLICATION DATA: including application  
described below: 9  
APPLICATION NUMBER: 08/353,784  
FILING DATE: 9 December, 1994  
APPLICATION NUMBER: PCT/US/94/12117  
FILING DATE: 21 October, 1994  
APPLICATION NUMBER: U.S. 08/292,827  
FILING DATE: 23 August, 1994  
APPLICATION NUMBER: U.S. 08/141,248  
FILING DATE: 22 October, 1993  
APPLICATION NUMBER: U.S. 08/009,389  
FILING DATE: 23 February, 1993  
APPLICATION NUMBER: U.S. 08/017,127  
FILING DATE: 12 February, 1993  
APPLICATION NUMBER: U.S. 07/934,161  
FILING DATE: 23 August, 1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Heber, Sheldon O.  
REGISTRATION NUMBER: 38,179  
REFERENCE/DOCKET NUMBER: 213/005  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (213) 489-1600  
TELEFAX: (213) 955-0440  
TELEX: 67-3510  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1078 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein

QY 18 LAF LW--AELGSEAKKEKEERTCRLLGKCVDAENHSLVIGGLFPIDSRTIPANESI-LI 74  
Db 11 LALTWHTSAYGPDPQRAQKRGD--IILGGLFPIHFGVAARDQDLKSR 54

QY 75 PASAKCEGFNFQRFRWMKAMHMIKEINKRDKILPNITLGYQIFDTCTISKVEAVLVF 134  
Db 55 PESVECIRYNFRGFRWLQAMIFAIIEINSSPALLPNLTGYRIFTCTNTVSKALEATLSF 114

QY 135 LTGQE--ENRPNFRNSTGAPPA--GIVGAGGSPLSVASRLGYLPOVGYTSTCIVL 189  
Db 115 VAQN KIDS NLDEF CMCSEHIP STIAVVGATGSGVSTRAVNLGLFYIPQVSYASSSRLL 174

QY 190 SDKIQFPSSYLRLVIASDKIQSKAVVRIQHF 219  
Db 175 SNKNQFKSFLRTIPNDEHQATAMADIIIEYF 204

RESULT 6  
US-08-484-565-7  
; Sequence 7, Application US/08484565  
; Patent No. 5763569

GENERAL INFORMATION:  
APPLICANT: Edward M. Brown  
APPLICANT: Steven C. Hebert  
APPLICANT: James E. Garrett, Jr.  
TITLE OF INVENTION: CALCIUM RECEPTOR-ACTIVE  
TITLE OF INVENTION: MOLECULES  
NUMBER OF SEQUENCES: 20  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Lyon & Lyon  
CITY: Los Angeles  
STATE: California  
COUNTRY: USA  
ZIP: 90071

COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: FASTSEQ

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/484,565  
FILING DATE: 7 June, 1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
PRIOR APPLICATION DATA: including application  
described below: 9  
APPLICATION NUMBER: 08/353,784  
FILING DATE: 9 December, 1994  
APPLICATION NUMBER: PCT/US/94/12117  
FILING DATE: 21 October, 1994  
APPLICATION NUMBER: U.S. 08/292,827  
FILING DATE: 23 August, 1994  
APPLICATION NUMBER: U.S. 08/141,248  
FILING DATE: 22 October, 1993  
APPLICATION NUMBER: U.S. 08/009,389  
FILING DATE: 23 February, 1993  
APPLICATION NUMBER: U.S. 08/017,127  
FILING DATE: 12 February, 1993  
APPLICATION NUMBER: U.S. 07/934,161  
FILING DATE: 23 August, 1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Heber, Sheldon O.  
REGISTRATION NUMBER: 38,179  
REFERENCE/DOCKET NUMBER: 213/005  
TELEPHONE: (213) 489-1600  
TELEFAX: (213) 955-0440  
TELEX: 67-3510  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1078 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein

QY 31.0%; Score 353; DB 1; Length 1078;  
Best Local Similarity 37.1%; Pred. No. 1.6e-34;  
Matches 78; Conservative 44; Mismatches 64; Indels 24; Gaps 5;

NAME: Heber, Sheldon O.  
REGISTRATION NUMBER: 38,179  
REFERENCE/DOCKET NUMBER: 213/006  
TELECOMMUNICATION INFORMATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Heber, Sheldon O.

TELEPHONE: (213) 489-1600  
 TELEFAX: (213) 955-0440  
 TELEX: 67-3510  
 INFORMATION FOR SEQ ID NO: 7:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1078 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-484-565-7

Query Match	31.0%;	Score 353;	DB 1;	Length 1078;
Best Local Similarity	37.1%;	Pred. No. 1.6e-34;		
Matches 78;	Conservative 44;	Mismatches 64;	Indels 24;	Gaps 5;

Qy 18 LAFLW--AELGSEAKKEKEERTCRLLGKCVDAENHSLVIGGLEFPIDSRTIPANESI-LE 74  
 Db 11 LALTWHTSAYGPDQRAQKGD-----TILGLLFPIHFGVAARDQDLKSR 54

Qy 75 PASAKCEGENFORFRWMKAMTHMIBINKRKDILPNNTLTYQIFDTCTFTISKSVEAVLWF 134  
 Db 55 PESVCCRINERGRFRWLQAMIFAAIEEINSPALLPNLTGYRIFDTCNTVSKALEATLSF 114

Qy 135 LTGQE---ENRPNFRNSTGAFPA--GIVGAGGSFLSPASRILGLYYLPOVGYTSTCVIL 189  
 Db 115 VAQNKKIDSNLNDEFNCNSEHIPSTIAVVGATSGGVSTAVANLLGLFYIPQVSYASSSSRL 174

Qy 190 SDKYQFPSPSYLRLVIASDKIQSKAVVKRIQHF 219  
 Db 175 SNKNQFKSFLRTIPNDEHQATAMADIEYF 204

RESULT 7  
 US-08-480-751-7  
 Sequence 7, Application US/08480751  
 Patent No. 5858684

GENERAL INFORMATION:  
 APPLICANT: Edward F. Nemeth  
 APPLICANT: Edward M. Brown  
 APPLICANT: Steven C. Hebert  
 APPLICANT: Forrest H. Fuller  
 APPLICANT: James E. Garrett, Jr.  
 TITLE OF INVENTION: CALCIUM RECEPTOR-ACTIVE  
 NUMBER OF SEQUENCES: 20  
 CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon  
 STREET: First Interstate World Center  
 STREET: Suite 4700  
 CITY: Los Angeles  
 STATE: California  
 COUNTRY: USA  
 ZIP: 90071

COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: FASTSEQ

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/480,751  
 FILING DATE: 7 June, 1995  
 CLASSIFICATION: 435

PRIOR APPLICATION DATA: including application  
 PRIOR APPLICATION DATA: described below: 9  
 APPLICATION NUMBER: 08/353,784

FILING DATE: 9 December, 1994  
 APPLICATION NUMBER: PCT/US/94/12117  
 FILING DATE: 21 October, 1994  
 APPLICATION NUMBER: U.S. 08/292,827  
 FILING DATE: 23 August, 1994  
 APPLICATION NUMBER: U.S. 08/141,248

Query Match 31.0%; Score 353; DB 2; Length 1078;  
 Best Local Similarity 37.1%; Pred. No. 1.6e-34;  
 Matches 78; Conservative 44; Mismatches 64; Indels 24; Gaps 5;

Qy 18 LAPFLW--AELGSEAKKEKEERTCRLLGKCVDAENHSLVIGGLEFPIDSRTIPANESI-LE 74  
 Db 11 LALTWTSAAGPDRQAQKGD-----TILGLLFPIHFGVAARDQDLKSR 54

Qy 75 PASAKCEGENFORFRWMKAMTHMIBINKRKDILPNNTLTYQIFDTCTFTISKSVEAVLWF 134  
 Db 55 PESVCCRINERGRFRWLQAMIFAAIEEINSPALLPNLTGYRIFDTCNTVSKALEATLSF 114

Qy 135 LTGQE---ENRPNFRNSTGAFPA--GIVGAGGSFLSPASRILGLYYLPOVGYTSTCVIL 189  
 Db 115 VAQNKKIDSNLNDEFNCNSEHIPSTIAVVGATSGGVSTAVANLLGLFYIPQVSYASSSSRL 174

Qy 190 SDKYQFPSPSYLRLVIASDKIQSKAVVKRIQHF 219  
 Db 175 SNKNQFKSFLRTIPNDEHQATAMADIEYF 204

RESULT 8  
 US-08-943-986-7  
 Sequence 7, Application US/08943986  
 Patent No. 5962314

GENERAL INFORMATION:  
 APPLICANT: Edward M. Brown  
 APPLICANT: Steven C. Hebert  
 APPLICANT: James E. Garrett, Jr.  
 TITLE OF INVENTION: CALCIUM RECEPTOR-ACTIVE  
 TITLE OF INVENTION: MOLECULES  
 NUMBER OF SEQUENCES: 20  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Lyon & Lyon  
 STREET: First Interstate World Center  
 STREET: Suite 4700  
 CITY: Los Angeles  
 STATE: California  
 COUNTRY: USA  
 ZIP: 90071

COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: FASTSEQ

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/480,751  
 FILING DATE: 7 June, 1995  
 CLASSIFICATION: 435

PRIOR APPLICATION DATA: including application  
 PRIOR APPLICATION DATA: described below: 9  
 APPLICATION NUMBER: 08/353,784

FILING DATE: 9 December, 1994  
 APPLICATION NUMBER: PCT/US/94/12117  
 FILING DATE: 21 October, 1994  
 APPLICATION NUMBER: U.S. 08/292,827  
 FILING DATE: 23 August, 1994  
 APPLICATION NUMBER: U.S. 08/141,248

COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: EASTSEQ

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/943,986  
 FILING DATE: 03-OCT-1997  
 CLASSIFICATION: 530  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/484,565  
 FILING DATE: 7-June-1995  
 APPLICATION NUMBER: 08/353,784  
 FILING DATE: 9 December, 1994  
 APPLICATION NUMBER: PCT/US/94/12117  
 FILING DATE: 21 October, 1994  
 APPLICATION NUMBER: U.S. 08/292,827  
 FILING DATE: 23 August, 1994  
 APPLICATION NUMBER: U.S. 08/141,248  
 FILING DATE: 22 October, 1993  
 APPLICATION NUMBER: U.S. 08/009,389  
 FILING DATE: 23 February, 1993  
 APPLICATION NUMBER: U.S. 08/017,127  
 FILING DATE: 12 February, 1993  
 APPLICATION NUMBER: U.S. 07/934,161  
 FILING DATE: 21 August, 1992  
 APPLICATION NUMBER: U.S. 07/834,044  
 FILING DATE: 11 February, 1992  
 APPLICATION NUMBER: U.S. 07/749,451  
 FILING DATE: 23 August, 1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Heber, Sheldon O.  
 REGISTRATION NUMBER: 38,179  
 REFERENCE/DOCKET NUMBER: 213/006  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (213) 489-1600  
 TELEFAX: 67-3510  
 INFORMATION FOR SEQ ID NO: 7:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1078 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-943-986-7

Query Match 31.0%; Score 353; DB 2; Length 1078;  
 Best Local Similarity 37.1%; Pred. No. 1.6e-34;  
 Matches 78; Conservative 44; Mismatches 64; Indels 24; Gaps 5;

QY 18 LAFLW--AELGSEAKKEEEERTCRLLGKCYDAENHSLVIGGLFPIDSRTIPANESI-LE 74  
 Db 11 LALTWHITSAYGPDORAQKKGD-----IILGGLFFPIHGVAAKDQLKSR 54  
 QY 75 PASAKCEGFNFQRFRWMKAMIMIKEINKRKDILPNITLGQIFDTCTFTISKSVEAVLVF 134  
 Db 55 PESVECIRYNFRGFRWLQAMIFAIEEINSSPALLPNLTGYRIPQVSYASSRLL 114  
 QY 135 LTGQE--ENRPNFRNSTGAFPA--GIVGAGGSFLSVPASRLGLNLYLPQVGYTSTCIVL 189  
 Db 115 VAQNKKIDSNLDEFNCSEHIPSITIAVVGATGSGVSTAVANLGLFYIPQVSYASSRLL 174  
 QY 190 SDKYQPPSYLRLVIASDKIQSKAVVKRICHF 219  
 Db 175 SNKNQPKSFLRTIPNDHEQATAMADIIYF 204

RESULT 9  
 US-08-353-784-7  
 Sequence 7, Application US/08353784  
 Patent No. 6011068  
 GENERAL INFORMATION:  
 APPLICANT: Edward F. Nemeth, Edward M.  
 APPLICANT: Brown, Steven C. Hebert,  
 APPLICANT: Bradford C. Van Wagenen, Manuel  
 APPLICANT: P. Balandrin, Forrest H. Fuller,  
 APPLICANT: Eric G. DelMar, and Scott T. Moe  
 TITLE OF INVENTION: CALCIUM RECEPTOR-ACTIVE

TITLE OF INVENTION: MOLECULES  
 NUMBER OF SEQUENCES: 20  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEES: Lyon & Lyon  
 STREET: First Interstate World Center  
 STREET: Suite 4700  
 STREET: 633 West Fifth Street  
 CITY: Los Angeles  
 STATE: California  
 COUNTRY: USA  
 ZIP: 90071  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: FASTSEQ  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/353,784  
 FILING DATE: 9 December, 1994  
 CLASSIFICATION: 514  
 PRIOR APPLICATION DATA:  
 PRIOR APPLICATION DATA: including application described below: 8  
 APPLICATION NUMBER: PCT/US/94/12117  
 FILING DATE: 21 October, 1994  
 APPLICATION NUMBER: U.S. 08/292,827  
 FILING DATE: 23 August, 1994  
 APPLICATION NUMBER: U.S. 08/141,248  
 FILING DATE: 22 October, 1993  
 APPLICATION NUMBER: U.S. 08/009,389  
 FILING DATE: 23 February, 1993  
 APPLICATION NUMBER: U.S. 08/017,127  
 FILING DATE: 12 February, 1993  
 APPLICATION NUMBER: U.S. 07/934,161  
 FILING DATE: 21 August, 1992  
 APPLICATION NUMBER: U.S. 07/834,044  
 FILING DATE: 11 February, 1992  
 APPLICATION NUMBER: U.S. 07/749,451  
 FILING DATE: 23 August, 1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Heber, Sheldon O.  
 REGISTRATION NUMBER: 38,179  
 REFERENCE/DOCKET NUMBER: 209/069  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (213) 489-1600  
 TELEFAX: (213) 955-0440  
 TELEX: 67-3510  
 INFORMATION FOR SEQ ID NO: 7:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1078 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-353-784-7

Query Match 31.0%; Score 353; DB 3; Length 1078;  
 Best Local Similarity 37.1%; Pred. No. 1.6e-34;  
 Matches 78; Conservative 44; Mismatches 64; Indels 24; Gaps 5;  
 TELEX: 67-3510  
 INFORMATION FOR SEQ ID NO: 7:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1078 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-353-784-7

QY 18 LAFLW--AELGSEAKKEEEERTCRLLGKCYDAENHSLVIGGLFPIDSRTIPANESI-LE 74  
 Db 11 LALTWHITSAYGPDORAQKKGD-----IILGGLFFPIHGVAAKDQLKSR 54  
 QY 75 PASAKCEGFNFQRFRWMKAMIMIKEINKRKDILPNITLGQIFDTCTFTISKSVEAVLVF 134  
 Db 55 PESVECIRYNFRGFRWLQAMIFAIEEINSSPALLPNLTGYRIPQVSYASSRLL 114  
 QY 135 LTGQE--ENRPNFRNSTGAFPA--GIVGAGGSFLSVPASRLGLNLYLPQVGYTSTCIVL 189  
 Db 115 VAQNKKIDSNLDEFNCSEHIPSITIAVVGATGSGVSTAVANLGLFYIPQVSYASSRLL 174  
 QY 190 SDKYQPPSYLRLVIASDKIQSKAVVKRICHF 219  
 Db 175 SNKNQPKSFLRTIPNDHEQATAMADIIYF 204

QY 75 PASAKCEGFNFQRFRWMKAMIMIKEINKRKDILPNITLGQIFDTCTFTISKSVEAVLVF 134  
 Db 55 PESVECIRYNFRGFRWLQAMIFAIEEINSSPALLPNLTGYRIPQVSYASSRLL 114  
 QY 135 LTGQE--ENRPNFRNSTGAFPA--GIVGAGGSFLSVPASRLGLNLYLPQVGYTSTCIVL 189  
 Db 115 VAQNKKIDSNLDEFNCSEHIPSITIAVVGATGSGVSTAVANLGLFYIPQVSYASSRLL 174  
 QY 190 SDKYQPPSYLRLVIASDKIQSKAVVKRICHF 219

Db 175 SNKNQFKSFLRTIPNDEHQATAMADIIYEYF 204 Matches 78; Conservative 44; Mismatches 64; Index 24; Gaps 5;

RESULT 10  
US-08-484-719B-7  
Sequence 7, Application US/08484719B  
Patent No. 6031003

GENERAL INFORMATION:  
 APPLICANT: Edward F. Nemeth, Edward M. Brown, Steven C. Hebert,  
 APPLICANT: Bradford C. Van Wagenen,  
 APPLICANT: Manuel F. Balandrin,  
 APPLICANT: Forrest H. Fuller, Eric G.  
 APPLICANT: Delmar, Scott T. Moë  
 TITLE OF INVENTION: CALCIUM RECEPTOR - ACTIVE  
 TITLE OF INVENTION: MOLECULES  
 NUMBER OF SEQUENCES: 20  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Lyon & Lyon  
 STREET: First Interstate World Center  
 STREET: Suite 4700  
 STREET: 633 West Fifth Street  
 CITY: Los Angeles  
 STATE: California  
 COUNTRY: USA  
 ZIP: 90071

COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: MS Word  
 SOFTWARE: FastSEQ for Windows Version 3.0

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/484,719B  
 FILING DATE: 7 June, 1995  
 CLASSIFICATION: 514  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/353,784  
 FILING DATE: 9 December, 1994  
 APPLICATION NUMBER: PCT/US/94/121117  
 FILING DATE: 21 October, 1994  
 APPLICATION NUMBER: U.S. 08/292,827  
 FILING DATE: 23 August, 1994  
 APPLICATION NUMBER: U.S. 08/141,248  
 FILING DATE: 22 October, 1993  
 APPLICATION NUMBER: U.S. 08/009,389  
 FILING DATE: 23 February, 1993  
 APPLICATION NUMBER: U.S. 08/017,127  
 FILING DATE: 12 February, 1993  
 APPLICATION NUMBER: U.S. 07/934,161  
 FILING DATE: 21 August, 1992  
 APPLICATION NUMBER: U.S. 07/834,044  
 FILING DATE: 11 February, 1992  
 APPLICATION NUMBER: U.S. 07/749,451  
 FILING DATE: 23 August, 1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Douglas C. Murdock  
 REGISTRATION NUMBER: 37,549  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (213) 489-1600  
 TELEFAX: (213) 955-0440  
 TELEX: 67-3510  
 INFORMATION FOR SEQ ID NO: 7:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1078 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein

Query Match Similarity 31.0%; Score 353; DB 3; Length 1078;  
 Best Local Similarity 37.1%; Pred. No. 1.6e-34;

QY 18 LAFLW--AELGSEAKEKEERTCRLLGKCVDAENHSLVIGGLFPIDSRTIPANESI-LE 74  
 Db 11 LALTWHTSAYGPDQRAQKGD----IILGGLFPIHFGVAAKDQDLKSR 54

QY 75 PASAKCEGFNFQRFMKAMHIIMIKEINKRKDILPNITLGYQIFDTCFITSKSVEAVLVF 134  
 Db 55 PESVECIRYNFRGFRWLQAMIAEEEINSSPALLPNLTGYRIFTDCNTVSKALEATLSF 114

QY 135 LTGQE---ENRPNFRNSTGAFPA--GIVGAGGSFLSPASRILGLYLPQVGXTSTCVIL 189  
 Db 115 VAQNQIDSNLNDEFNCNCSERIPSTIAVNGATSGVSTAVANLGLFYIPQVSYASSRLL 174

QY 190 SDKYQFPSYLRVIASDKTOSKAVVKRIQHF 219  
 Db 175 SNKNQFKSFLRTIPNDEHQATAMADIIYEYF 204

RESULT 11  
 US-08-484-159-7  
 Sequence 7, Application US/08484159  
 Patent No. 6313146

GENERAL INFORMATION:  
 APPLICANT: Bradford C. Van Wagenen  
 APPLICANT: Manuel F. Balandrin  
 APPLICANT: Eric G. Del Mar  
 APPLICANT: Edward F. Nemeth  
 TITLE OF INVENTION: CALCIUM RECEPTOR - ACTIVE  
 TITLE OF INVENTION: MOLECULES  
 NUMBER OF SEQUENCES: 20  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Lyon & Lyon  
 STREET: First Interstate World Center  
 STREET: Suite 4700  
 STREET: 633 West Fifth Street  
 CITY: Los Angeles  
 STATE: California  
 COUNTRY: USA  
 ZIP: 90071

COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: FASTSEQ  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/484,159  
 FILING DATE: 7 June, 1995  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/353,784  
 FILING DATE: 9 December, 1994  
 APPLICATION NUMBER: PCT/US/94/121117  
 FILING DATE: 21 October, 1994  
 APPLICATION NUMBER: U.S. 08/292,827  
 FILING DATE: 23 August, 1994  
 APPLICATION NUMBER: U.S. 08/141,248  
 FILING DATE: 22 October, 1993  
 APPLICATION NUMBER: U.S. 08/009,389  
 FILING DATE: 23 February, 1993  
 APPLICATION NUMBER: U.S. 08/017,127  
 FILING DATE: 12 February, 1993  
 APPLICATION NUMBER: U.S. 07/934,161  
 FILING DATE: 21 August, 1992  
 APPLICATION NUMBER: U.S. 07/834,044  
 FILING DATE: 11 February, 1992  
 APPLICATION NUMBER: U.S. 07/749,451  
 FILING DATE: 23 August, 1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Douglas C. Murdock  
 REGISTRATION NUMBER: 37,549  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (213) 489-1600  
 TELEFAX: (213) 955-0440  
 TELEX: 67-3510  
 INFORMATION FOR SEQ ID NO: 7:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1078 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein

Query Match Similarity 31.0%; Score 353; DB 3; Length 1078;  
 Best Local Similarity 37.1%; Pred. No. 1.6e-34;

ATTORNEY/AGENT INFORMATION:  
 NAME: Heber, Sheldon O.  
 REGISTRATION NUMBER: 38,179

REFERENCE/DOCKET NUMBER: 214/101  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (213) 489-1600  
 TELEX: (213) 955-0440  
 INFORMATION FOR SEQ ID NO: 7:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1078 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-484-159-7

Query Match 31.0%; Score 353; DB 3; Length 1078;  
 Best Local Similarity 37.1%; Pred. No. 1.6e-34;  
 Matches 78; Conservative 44; Mismatches 64; Indels 24; Gaps 5;  
 Qy 18 LAFLW--AELGSEAKEKEERTCRLLGRCVDAENHSLVIGGLPPIDSRTIPANESI-LE 74  
 Db 11 LALTWHITSAYGPDQRAQKKGD-----IILGGLFPITHFGVAAKDQLKSR 54  
 Qy 75 PASAKCEGFNFORFRWMKAM1HMIKEINKRKDILPNNITLGYQIFDTCTFTISKSVEAVLJVF 134  
 Db 55 PESVCEIRYNFRGFRWLQAMIFAAIEINSSPALLPNLTGYRIPDTCTNTVSKALBATLSP 114  
 Qy 135 LTQQB---ENRPNFRNSTGAFPA--GIVGAGGSFLSVPASRLGYYLPQVGYTSTCVIL 189  
 Db 115 VAQNKIDSNLNLDFCNCSEHIPSFLRTIPNDHQATAMADIEYF 204  
 Qy 190 SDKYQPPSYLRLVIASDKIQSKAVVKRIQHF 219  
 Db 175 SNKNQFKSFLRTIPNDHQATAMADIEYF 204

RESULT 12  
 US-08-485-588-6

; Sequence 6, Application US/08485588  
 ; Patent No. 5688938

; GENERAL INFORMATION:

; APPLICANT: Edward M. Brown  
 ; APPLICANT: Steven C. Hebert  
 ; APPLICANT: Forrest H. Fuller  
 ; APPLICANT: James E. Garrett, Jr.  
 ; TITLE OF INVENTION: CALCIUM RECEPTOR-ACTIVE  
 ; TITLE OF INVENTION: MOLECULES  
 ; NUMBER OF SEQUENCES: 20  
 ; CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon  
 STREET: First Interstate World Center  
 STREET: Suite 4700  
 STREET: 633 West Fifth Street  
 CITY: Los Angeles  
 STATE: California  
 COUNTRY: USA

ZIP: 90071  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: FASTSEQ

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/485,588

FILING DATE: 7 June, 1995  
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
 PRIOR APPLICATION DATA: including application  
 described below: 9

APPLICATION NUMBER: 08/353,784  
 FILING DATE: 9 December, 1994

APPLICATION NUMBER: PCT/US/94/12117  
 FILING DATE: 21 October, 1994

APPLICATION NUMBER: U.S. 08/292,827  
 FILING DATE: 23 August, 1994

---

APPLICATION NUMBER: U.S. 08/141,248  
 FILING DATE: 22 October, 1993  
 APPLICATION NUMBER: U.S. 08/009,389  
 FILING DATE: 23 February, 1993  
 APPLICATION NUMBER: U.S. 08/017,127  
 FILING DATE: 12 February, 1993  
 APPLICATION NUMBER: U.S. 07/934,161  
 FILING DATE: 21 August, 1992  
 APPLICATION NUMBER: U.S. 07/834,044  
 FILING DATE: 11 February, 1992  
 APPLICATION NUMBER: U.S. 07/749,451  
 FILING DATE: 23 August, 1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Heber, Sheldon O.  
 REGISTRATION NUMBER: 38,179  
 REFERENCE/DOCKET NUMBER: 213/005  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (213) 489-1600  
 TELEFAX: (213) 955-0440  
 TELEX: 67-3510  
 INFORMATION FOR SEQ ID NO: 6:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1088 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-485-588-6

Query Match 31.0%; Score 353; DB 1; Length 1088;  
 Best Local Similarity 37.1%; Pred. No. 1.6e-34;  
 Matches 78; Conservative 44; Mismatches 64; Indels 24; Gaps 5;  
 Qy 18 LAFLW--AELGSEAKEKEERTCRLLGRCVDAENHSLVIGGLPPIDSRTIPANESI-LE 74  
 Db 11 LALTWHITSAYGPDQRAQKGD-----IILGGLFPITHFGVAAKDQLKSR 54  
 Qy 75 PASAKCEGFNFORFRWMKAM1HMIKEINKRKDILPNNITLGYQIFDTCTFTISKSVEAVLJVF 134  
 Db 55 PESVCEIRYNFRGFRWLQAMIFAAIEINSSPALLPNLTGYRIPDTCTNTVSKALEATLSP 114  
 Qy 135 LTQQE---ENRPNFRNSTGAFPA--GIVGAGGSFLSVPASRLGYYLPQVGYTSTCVIL 189  
 Db 115 VAQNKIDSNLNLDFCNCSEHIPSFLRTIPNDHQATAMADIEYF 204  
 Qy 190 SDKYQPPSYLRLVIASDKIQSKAVVKRIQHF 219  
 Db 175 SNKNQFKSFLRTIPNDHQATAMADIEYF 204

RESULT 13  
 US-08-484-565-6  
 ; Sequence 6, Application US/08484565  
 ; Patent No. 5763569  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Edward M. Brown  
 ; APPLICANT: Steven C. Hebert  
 ; APPLICANT: James E. Garrett, Jr.  
 ; TITLE OF INVENTION: CALCIUM RECEPTOR-ACTIVE  
 ; NUMBER OF SEQUENCES: 20  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Lyon & Lyon  
 ; STREET: First Interstate World Center  
 ; STREET: Suite 4700  
 ; STREET: 633 West Fifth Street  
 ; CITY: Los Angeles  
 ; STATE: California  
 ; COUNTRY: USA  
 ZIP: 90071  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: FASTSEQ

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/485,588  
 FILING DATE: 7 June, 1995  
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
 PRIOR APPLICATION DATA: including application  
 described below: 9

APPLICATION NUMBER: 08/353,784  
 FILING DATE: 9 December, 1994  
 APPLICATION NUMBER: PCT/US/94/12117  
 FILING DATE: 21 October, 1994  
 APPLICATION NUMBER: U.S. 08/292,827  
 FILING DATE: 23 August, 1994

COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: FASTSEQ  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/484,565  
 FILING DATE: 7 June, 1995  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA: including application.  
 PRIOR APPLICATION DATA: described below: 9  
 APPLICATION NUMBER: 08/353,784  
 FILING DATE: 9 December, 1994  
 APPLICATION NUMBER: PCT/US/94/12117  
 FILING DATE: 21 October, 1994  
 APPLICATION NUMBER: U.S. 08/292,827  
 FILING DATE: 23 August, 1994  
 APPLICATION NUMBER: U.S. 08/141,248  
 FILING DATE: 22 October, 1993  
 APPLICATION NUMBER: U.S. 08/009,389  
 FILING DATE: 23 February, 1993  
 APPLICATION NUMBER: U.S. 08/017,127  
 FILING DATE: 12 February, 1993  
 APPLICATION NUMBER: U.S. 07/934,161  
 FILING DATE: 21 August, 1992  
 APPLICATION NUMBER: U.S. 07/834,044  
 FILING DATE: 11 February, 1992  
 APPLICATION NUMBER: U.S. 07/749,451  
 FILING DATE: 23 August, 1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Heber, Sheldon O.  
 REGISTRATION NUMBER: 38,179  
 REFERENCE/DOCKET NUMBER: 213/006  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (213) 489-1600  
 TELEX: 67-3510  
 TELEFAX: (213) 955-0440  
 INFORMATION FOR SEQ ID NO: 6:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1088 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-484-565-6

Query Match 31.0%; Score 353; DB 1; Length 1088;  
 Best Local Similarity 37.1%; Pred. No. 1.6e-34;  
 Matches 78; Conservative 44; Mismatches 64; Indels 24; Gaps 5;  
 Qy 18 LAFLW-AELGSEAKKEKEERTCRLLGKCVDAENHSLVIGGLFPIDSRTIPANESI-LE 74  
 Db 11 LALTWTHTSAYGPDQRAQKKGD-----IIILGLLFRPIHFGVAKDQLKSR 54  
 Qy 75 PASAKCEGFNFQRFWMKAMIMIKEINKRKDILPNTLGYQIFDTCTFTISKSVEAVLVE 134  
 Db 55 PESVECTIRNFRGRFLQAMIFAAIEEINSSPALLPNLTLYGRIIFDTCTNTVSKALEATLSF 114  
 Qy 135 LTGQE--ENRPFRNSTGAFPA-GIVGAGGSFLSYSPASRILGLYLPQVGGTSTCVIL 189  
 Db 115 VAQNKIDSLNLDEFNCSEHIPSTIAVVGATGSGVSTAVANLLGLFYIPQSYASSSSRL 174  
 Qy 190 SDKYQFPSYLRVIASDKTQSKEYKRIQHF 219  
 Db 175 SNKNQFKSFLRTIPNDEHQATAMADIEYF 204

RESULT 14 US-08-480-751-6

; Sequence 6, Application US/08480751

; Patent No. 5858684

; GENERAL INFORMATION:

; APPLICANT: Edward F. Nemeth

; APPLICANT: Edward M. Brown

; APPLICANT: Steven C. Hebert

; APPLICANT: Forrest H. Fuller

; APPLICANT: James E. Garrett, Jr.

; TITLE OF INVENTION: CALCIUM RECEPTOR-ACTIVE  
 ; TITLE OF INVENTION: MOLECULES  
 ; NUMBER OF SEQUENCES: 20  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Lyon & Lyon  
 ; STREET: First Interstate World Center  
 ; STREET: Suite 4700  
 ; STREET: 633 West Fifth Street  
 ; CITY: Los Angeles  
 ; STATE: California  
 ; COUNTRY: USA  
 ; ZIP: 90071  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: FASTSEQ  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/480,751  
 ; FILING DATE: 7 June, 1995  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; PRIOR APPLICATION DATA: including application  
 ; PRIOR APPLICATION DATA: described below: 9  
 ; APPLICATION NUMBER: 08/353,784  
 ; FILING DATE: 9 December, 1994  
 ; APPLICATION NUMBER: PCT/US/94/12117  
 ; FILING DATE: 21 October, 1994  
 ; APPLICATION NUMBER: U.S. 08/292,827  
 ; FILING DATE: 23 August, 1994  
 ; APPLICATION NUMBER: U.S. 08/141,248  
 ; FILING DATE: 12 February, 1993  
 ; APPLICATION NUMBER: U.S. 07/934,161  
 ; FILING DATE: 21 August, 1992  
 ; APPLICATION NUMBER: U.S. 07/834,044  
 ; FILING DATE: 11 February, 1992  
 ; APPLICATION NUMBER: U.S. 07/749,451  
 ; FILING DATE: 23 August, 1991  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Heber, Sheldon O.  
 ; REGISTRATION NUMBER: 38,179  
 ; REFERENCE/DOCKET NUMBER: 213/004  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (213) 489-1600  
 ; TELEX: 67-3510  
 ; TELEFAX: (213) 955-0440  
 ; INFORMATION FOR SEQ ID NO: 6:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 1088 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-08-480-751-6

Query Match 31.0%; Score 353; DB 2; Length 1088;  
 Best Local Similarity 37.1%; Pred. No. 1.6e-34;  
 Matches 78; Conservative 44; Mismatches 64; Indels 24; Gaps 5;

Qy 18 LAFLW-AELGSEAKKEKEERTCRLLGKCVDAENHSLVIGGLFPIDSRTIPANESI-LE 74  
 Db 11 LALTWTHTSAYGPDQRAQKKGD-----IIILGLLFRPIHFGVAKDQLKSR 54  
 Qy 75 PASAKCEGFNFQRFWMKAMIMIKEINKRKDILPNTLGYQIFDTCTFTISKSVEAVLVE 134  
 Db 55 PESVECTIRNFRGRFLQAMIFAAIEEINSSPALLPNLTLYGRIIFDTCTNTVSKALEATLSF 114  
 Qy 135 LTGQE--ENRPFRNSTGAFPA-GIVGAGGSFLSYSPASRILGLYLPQVGGTSTCVIL 189  
 Db 115 VAQNKIDSLNLDEFNCSEHIPSTIAVVGATGSGVSTAVANLLGLFYIPQSYASSSSRL 174  
 Qy 190 SDKYQFPSYLRVIASDKTQSKEYKRIQHF 219  
 Db 175 SNKNQFKSFLRTIPNDEHQATAMADIEYF 204

Query Match 31.0%; Score 353; DB 2; Length 1088;  
 Best Local Similarity 37.1%; Pred. No. 1.6e-34;  
 Matches 78; Conservative 44; Mismatches 64; Indels 24; Gaps 5;

Qy 18 LAFLW-AELGSEAKKEKEERTCRLLGKCVDAENHSLVIGGLFPIDSRTIPANESI-LE 74  
 Db 11 LALTWTHTSAYGPDQRAQKKGD-----IIILGLLFRPIHFGVAKDQLKSR 54  
 Qy 75 PASAKCEGFNFQRFWMKAMIMIKEINKRKDILPNTLGYQIFDTCTFTISKSVEAVLVE 134  
 Db 55 PESVECTIRNFRGRFLQAMIFAAIEEINSSPALLPNLTLYGRIIFDTCTNTVSKALEATLSF 114  
 Qy 135 LTGQE--ENRPFRNSTGAFPA-GIVGAGGSFLSYSPASRILGLYLPQVGGTSTCVIL 189  
 Db 115 VAQNKIDSLNLDEFNCSEHIPSTIAVVGATGSGVSTAVANLLGLFYIPQSYASSSSRL 174

Qy 190 SDKYQFPSYLRVIASDKIQQSKAVVKRIQHF 219  
 ; Sequence 6, Application US/08943986  
 ; Patent No. 5962314

Db 175 SNKNQPKSFLRTIPNDEHQATAMADIEYF 204

---

**RESULT 15**

US-08-943-986-6

; Sequence 6, Application US/08943986

; GENERAL INFORMATION:

; APPLICANT: Edward M. Brown

; APPLICANT: Steven C. Hebert

; TITLE OF INVENTION: CALCIUM RECEPTOR-ACTIVE

; TITLE OF INVENTION: MOLECULES

; NUMBER OF SEQUENCES: 20

; CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: First Interstate World Center

STREET: Suite 4700

STREET: 633 West Fifth Street

CITY: Los Angeles

STATE: California

COUNTRY: USA

ZIP: 90071

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: FASTSEQ

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/943,986

FILING DATE: 03-OCT-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/484,565

FILING DATE: 7-June-1995

APPLICATION NUMBER: 08/353,784

FILING DATE: 9 December, 1994

APPLICATION NUMBER: PCT/US/94/12117

FILING DATE: 21 October, 1994

APPLICATION NUMBER: U.S. 08/292,827

FILING DATE: 23 August, 1994

APPLICATION NUMBER: U.S. 08/141,248

FILING DATE: 22 October, 1993

APPLICATION NUMBER: U.S. 08/009,389

FILING DATE: 23 February, 1993

APPLICATION NUMBER: U.S. 08/017,127

FILING DATE: 12 February, 1993

APPLICATION NUMBER: U.S. 07/934,161

FILING DATE: 21 August, 1992

APPLICATION NUMBER: U.S. 07/834,044

FILING DATE: 11 February, 1992

APPLICATION NUMBER: U.S. 07/749,451

FILING DATE: 23 August, 1991

ATTORNEY/AGENT INFORMATION:

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INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 1088 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-943-986-6

Query Match 31.0%; Score 353; DB 2; Length 1088;

Best Local Similarity 37.1%; Pred. No. 1.6e-34;  
 Matches 78; Conservative 44; Mismatches 64; Indels 24; Gaps 5;

Qy 18 LAFLW--ABLGSEAKKEEERTCRLLGKVDAAENHSLVIGGLPIDSRTIPANESI-LB 74  
 Db 11 LALTWTSAYGPDORAQKGD-----IIIIGGLPPIHFGVAAKDQDLKSR 54

Qy 75 PASAKCEGENFORFRWMKAMIHMIKEINKRKDILPNITLGYQIFDTCTFSKSVEAVLVF 134  
 Db 55 PESVECIRYNFRGFRWLQAMI PAIEEINSSPALLPNLTGYRIFDTCTNTVSKALEATLSF 114

Qy 135 LTGQE---ENRPNFRNSTGAPPA--GIVGAGGSPLSVSPASRILGJYLYLPQVGYTSTCVIL 189  
 Db 115 VAQN KIDS LNLD EFCNCSEHIPS TIAVVGATGSGVSTAVANLGLFYIPQVS YASSRRL 174

Qy 190 SDKYQFP SYLRLVIASDKIQSKAVVKRIQHF 219  
 Db 175 SNKNQFKSPLRTIPNDEHQATAMADIEYF 204

Search completed: February 16, 2005, 16:43:04  
 Job time : 13.0505 secs

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